Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims of the application.

Listing of Claims:

- 1. (Withdrawn) A method of preparing a cured laminate comprising the steps of:
 - a) applying onto a first substrate, a curable clay composition comprising:
 - i) a curable medium comprising at least one ethylenically unsaturated compound selected from the group consisting of ethylenically unsaturated monomer and ethylenically unsaturated oligomer; and
 - ii) from 0.5 to 20 weight %, based on a total weight of said curable clay composition, of exfoliated clay platelets dispersed in said curable medium;
 - b) contacting a second substrate with said curable clay composition to provide an uncured laminate, wherein said curable clay composition is in contact with said first substrate and said second substrate; and
 - c) subjecting said uncured laminate to electron beam radiation to provide said cured laminate.
- 2. (Withdrawn) The method according to claim 1 wherein said curable medium further comprises at least one soluble polymer.
- 3. (Withdrawn) A method of preparing a coated substrate comprising the steps of:
 - a) preparing an uncured coated substrate by applying onto a substrate, a curable clay composition comprising:
 - i) a curable medium comprising at least one ethylenically unsaturated compound selected from the group consisting of ethylenically unsaturated monomer and ethylenically unsaturated oligomer; and
 - ii) from 0.5 to 20 weight %, based on a total weight of said curable clay composition, of exfoliated clay platelets dispersed in said curable medium; and
 - b) subjecting said uncured coated substrate to electron beam radiation to provide said coated substrate.
- 4. (Withdrawn) The method according to claim 2 wherein said curable medium further comprises at least one soluble polymer.
- 5. (Original) A curable clay composition comprising:
 - a) a curable medium comprising at least one ethylenically unsaturated compound selected from the group consisting of ethylenically unsaturated monomer and ethylenically unsaturated oligomer; and
- b) from 0.5 to 20 weight %, based on a total weight of said curable clay composition; of exfoliated clay platelets dispersed in said curable medium; wherein said curable clay composition is substantially free of photoinitiator.

- 6. (Original) The curable composition according to claim 5 wherein said curable medium comprises a weight ratio of said ethylenically unsaturated monomer to said ethylenically unsaturated oligomer in the range of 10:1 to 1:2.
- 7. (Original) A curable clay composition comprising:
 - a) a curable medium comprising:
 - i) from 40 to 98.5 weight % of at least one ethylenically unsaturated compound selected from the group consisting of ethylenically unsaturated monomer and ethylenically unsaturated oligomer; and
 - ii) from 1 to 40 weight % soluble polymer; and
- b) from 0.5 to 20 weight % exfoliated clay platelets dispersed in said curable medium; wherein all weight % are based on total weight of said curable clay composition.
- 8. (Original) The curable composition according to claim 7 wherein said curable medium comprises a weight ratio of said ethylenically unsaturated monomer to said ethylenically unsaturated oligomer in the range of 10:1 to 1:2.
- 9. (Withdrawn) A method for preparing an curable clay composition comprising exfoliated clay platelets dispersed in a curable medium, comprising the steps of:
 - a) providing a first mixture comprising:
 - i) clay particles comprising stacks of clay platelets, and
 - ii) said curable medium comprising at least one ethylenically unsaturated compound selected from the group consisting of ethylenically unsaturated monomers and ethylenically unsaturated oligomers; and
 - b) processing said first mixture in a moving media mill to separate said clay platelets from said stacks to provide said exfoliated clay platelets dispersed in said curable medium.
- 10. (Withdrawn) The method according to claim 9 wherein said curable medium comprises a weight ratio of said ethylenically unsaturated monomer to said ethylenically unsaturated oligomer in the range of 10:1 to 1:2.
- 11. (New) The curable clay composition of claim 5 further comprising less than 5 weight %, based on the weight of the curable clay composition, solvent.
- 12. (New) The curable clay composition of claim 5 wherein said curable medium comprises from 40 to 99.5 weight %, based on the weight of the curable clay composition, ethylenically unsaturated compound.
- 13. (New) The curable clay composition of claim 5 wherein said curable medium comprises from 45 to 85 weight %, based on the weight of the curable clay composition, ethylenically unsaturated compound.

- 14. (New) The curable clay composition of claim 5 wherein said curable medium comprises from 50 to 80 weight %, based on the weight of the curable clay composition, ethylenically unsaturated compound.
- 15. (New) The curable clay composition of claim 5 wherein said curable medium further comprises at least one soluble polymer.
- 16. (New) The curable clay composition of claim 5 wherein said curable medium further comprises 0 to 40 weight %, based on the weight of the curable clay composition, of at least one soluble polymer.
- 17. (New) The curable clay composition of claim 5 wherein said curable medium further comprises 2 to 30 weight %, based on the weight of the curable clay composition, of at least one soluble polymer.
- 18. (New) The curable clay composition of claim 7 further comprising less than 5 weight %, based on the weight of the curable clay composition, solvent.
- 19. (New) The curable clay composition of claim 7 wherein said curable medium further comprises at least one soluble polymer.
- 20. (New) The curable clay composition of claim 7 wherein said curable medium further comprises 0 to 40 weight %, based on the weight of the curable clay composition, of at least one soluble polymer.
- 21. (New) The curable clay composition of claim 7 wherein said curable medium further comprises 2 to 30 weight %, based on the weight of the curable clay composition, of at least one soluble polymer.
- 22. (New) The curable clay composition of claim 7 wherein said curable medium comprises from 45 to 85 weight %, based on the weight of the curable clay composition, ethylenically unsaturated compound.
- 23. (New) The curable clay composition of claim 7 wherein said curable medium comprises from 50 to 80 weight %, based on the weight of the curable clay composition, ethylenically unsaturated compound.